

CLAIMS

What is claimed is:

5 1. A pharmaceutical composition comprising functional factor VIIa and
 fibrinogen in a pharmaceutically acceptable carrier.

10 2. The composition of claim 1 wherein the amounts of said functional factor
 VIIa and said fibrinogen are effective to facilitate blood coagulation at
 sites of blood vessel injury.

15 3. The composition of claim 1 wherein the composition is free of other blood
 clotting factors.

20 4. The composition of claim 1 wherein the effective amount produces a
 hemostatic effect.

25 5. The composition of claim 1 wherein said factor VIIa is recombinantly
 produced.

6. The composition of claim 1 wherein said fibrinogen is recombinantly
 produced.

7. The composition of claim 1 further comprising a stabilizing agent.

25 8. The composition of claim 1 wherein said carrier is water, saline,
 buffered saline or sucrose solution.

9. The composition of claim 1 wherein the concentration of said factor VIIa is sufficient to produce an administered amount of up to about 300 IU/kg body weight.

5 10. The composition of claim 1 wherein the concentration of said fibrinogen is sufficient to produce an administered amount of up to about 12.0 g/L plasma.

10 11. The composition of claim 1 wherein the concentration of said factor VIIa is up to about 20,000 IU/10mL.

15 12. The composition of claim 1 wherein the concentration of said fibrinogen is up to about 1g/10mL.

13. The composition of claim 1 wherein said composition is lyophilized.

20 14. The composition of claim 13 wherein the composition is reconstituted in a proper excipient to a concentration of about up to 20,000 IU/10mL for said recombinant factor VIIa and up to about 1 g/10mL for said fibrinogen.

15 15. A method for treating an individual having a bleeding condition comprising administering to the individual the composition of any one of claims 1 to 14.

25 16. The method according to claim 15 wherein the individual has a blood clotting deficiency.

17. The method according to claim 15 wherein the individual has a traumatic
injury which causes bleeding.

5 18. The method according to claim 15 wherein the individual is undergoing a
surgical procedure.

10 19. The method of claim 15 wherein the administered amount of said factor
VIIa is about up to 300 IU/kg of body weight.

15 20. The method of claim 15 wherein the administered amount of said
fibrinogen is about up to 12.0 g/L plasma.

21. The method of claim 15 wherein the composition is administered by
continuous infusion.

15 22. The method of claim 15 wherein the composition is administered by
bolus injection.

20 23. The method of claim 15 wherein said factor VIIa and said fibrinogen may
be administered sequentially or simultaneously.

25 24. The method of claim 15 wherein the concentration of said factor VIIa is
about up to 300 IU/kg body weight and the concentration of said
fibrinogen is up to about 12 g/L plasma.

25 25. A kit for blood coagulation comprising factor VIIa, fibrinogen, a
pharmaceutically acceptable carrier, and a device for administration of the

composition, wherein factor VIIa and fibrinogen are present in amounts effective for treating an individual in one or more administrations.

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26. A kit for blood coagulation according to claim **25** wherein the factor VIIa and fibrinogen are separately contained.

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27. A kit for blood coagulation according to claim **25** wherein one or both factor VIIa and/or fibrinogen are in a dry or lyophilized form.

28. A kit for blood coagulation according to claim **25** wherein one or both factor VIIa and/or fibrinogen are in solution.

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29. A kit for blood coagulation according to claim **25** wherein the kit includes one or more stabilizing agents along with factor VIIa and/or fibrinogen.

30. A kit for blood coagulation according to claim **25** wherein said device for administration is suitable for intravenous administration.